CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS
STORM WATER MANAGEMENT DIVISION

EROSION CONTROL INSTRUCTIONS FOR CITY STREET CONSTRUCTION

1. These instructions are intended to cover construction work on city streets including widening, installation of drainage systems, major resurfacing, intersection reconstruction, and contract maintenance.

2. Should the project disturb 5-acres of ground or more, the City **must** apply for a federal/state NPDES Storm Water Discharge Permit by sending a Notice of Intent (NOI) to KDHE in Topeka. As a part of that process, **the street contractor will be required to prepare a Storm Water Pollution Prevention Plan (SWP3) for the project prior to construction.** This plan **must** be submitted to the City for review and approved before construction begins.

3. For projects disturbing less than 5-acres, the filing of a NOI with KDHE is not required, but the use of adequate erosion control devices **is required** on all construction sites. Contractors are **strongly urged** to prepare a pollution prevention plan for each project and have it reviewed by the City prior to construction.

4. **Erosion control devices must be installed on site before construction begins.**

5. To determine where erosion control devices will be required, project site conditions must be assessed. Examine the right-of-way boundaries within the project limits to find locations where water from disturbed areas can flow from the project site onto other adjacent properties, ditches, lakes, or storm drains. These are all locations at which the contractor **will be required** to install erosion control devices unless a minimum 20-foot grass buffer strip is maintained (undisturbed). These locations will generally require haybale or silt fence barriers.

6. The contractor **is required** to use stabilized construction entrances at all locations where construction vehicles or equipment will access the project site from streets outside of the project limits.

7. If storm sewer work is included as part of the project, the contractor **will be required** to install inlet protection on all area and curb opening inlets on the project site **as soon as** the surrounding grades are such that storm water can drain into them. For drains located in sags or **sumps**, inlet protection is required **at all times** regardless of the surrounding grade conditions.

8. Protecting Existing Inlets – Existing inlets, both on and off the construction site may also require protection. Protection **will be required** whenever sediment-laden water from the construction can reach an inlet.

9. Curb opening inlet protection will consist of gravel filters or acceptable tubing devices offset from the face of the inlet so as to not totally obstruct flow. Haybales and sandbags are not allowed. Area inlet protection will be silt fence, haybales, or gravel filters.

10. The contractor **must** provide a washout pit for concrete trucks, as needed. Said pit shall be signed or its location revealed to each driver. These pits will be cleaned up and backfilled at the end of construction.

11. Curb and Gutter Construction – Once curbs are backfilled to within 3-inches or less from top of curb, the contractor is **required** to install back of curb protection at all locations on the project where runoff will drain over the curb. As a short term alternative, if additional work is yet to be done back of curb that would result in damage to the back of curb protection devices, the contractor may opt to not backfill the curb completely (leaving it 3-inches or lower from top of curb) as an interim device. If this method is chosen, the contractor **must** inspect the back of curbs at least once each week and after every rain of ½-inch or more and clean out any areas that have silted in. See City Standard Detail Sheets. Once the final back of curb work is completed (sidewalks, landscaping, etc.), the remainder of the curb shall be backfilled.

12. The final back of curb protection shall be installed **within 48-hours** of final curb backfill and will generally consist of sod or seed and fertilizer under an 8-foot wide erosion control mat.

13. Erosion mats must be pinned down per manufacturers recommendations except that, on north and south edges, double the recommended number of pins (½ normal spacing) will be used.

14. The contractor **will be required** to inspect all erosion control devices at least once each week and after every rainfall event of ½-inch or more to ensure that they are working properly. A written report of each inspection must be maintained on the project site. Properly installed devices will trap sediment and **must be cleaned out** before 60% of their capacity is used.

15. The contractor must install erosion control devices per City standard specifications. For these devices to be effective, **they must be dug into the ground**.

16. If a drainage feature such as a stream or pond runs through the project site, the contractor **will be required** to install erosion control devices along these features within the project limits, if necessary, to prevent sediment from entering the water feature.

17. Failure to comply with these instructions will subject the contractor to the various enforcement actions and/or penalties available to the City under the provisions of the contract, as well as the Criminal and/or Administrative penalties prescribed in Section 16.32.100 of the City Code.